

JUN 2 2002

1642

ENTERED
TECH CENTER 1600/2900

see page 6

P#5/ 1600

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:44

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

3 <110> APPLICANT: Harley, John
 5 <120> TITLE OF INVENTION: Methods and Reagents for Diagnosis of Autoantibodies
 7 <130> FILE REFERENCE: OMRF 114 CIP (2)
 9 <140> CURRENT APPLICATION NUMBER: 07/867,819B
 10 <141> CURRENT FILING DATE: 1992-04-13
 12 <150> PRIOR APPLICATION NUMBER: 07/472,947
 13 <151> PRIOR FILING DATE: 1990-01-31
 15 <150> PRIOR APPLICATION NUMBER: 07/648,205
 16 <151> PRIOR FILING DATE: 1991-01-31
 18 <160> NUMBER OF SEQ ID NOS: 122
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 8
 24 <212> TYPE: PRT
 25 <213> ORGANISM: homo sapien
 27 <220> FEATURE:
 28 <221> NAME/KEY: MISC_FEATURE
 29 <222> LOCATION: (1)..(8)
 30 <223> OTHER INFORMATION: Binding site
 33 <400> SEQUENCE: 1
 35 Gly Thr Phe Lys Ala Phe Asp Lys
 36 1 5
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 15
 41 <212> TYPE: PRT
 42 <213> ORGANISM: homo sapien
 44 <220> FEATURE:
 45 <221> NAME/KEY: MISC_FEATURE
 46 <222> LOCATION: (1)..(8)
 47 <223> OTHER INFORMATION: Binding site
 50 <400> SEQUENCE: 2
 52 Cys Asp Glu Phe Arg Lys Ile Lys Pro Lys Asn Ala Lys Gln Pro
 53 1 5 10 15
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 8
 58 <212> TYPE: PRT
 59 <213> ORGANISM: homo sapien
 61 <220> FEATURE:
 62 <221> NAME/KEY: MISC_FEATURE
 63 <222> LOCATION: (1)..(8)
 64 <223> OTHER INFORMATION: Binding site
 67 <400> SEQUENCE: 3
 69 Arg Val Pro Leu Ala Gly Ala Ala

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:44

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

```

70 1          5
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 17
75 <212> TYPE: PRT
76 <213> ORGANISM: homo sapien
78 <220> FEATURE:
79 <221> NAME/KEY: MISC_FEATURE
80 <222> LOCATION: (4)..(11)
81 <223> OTHER INFORMATION: Binding site
84 <400> SEQUENCE: 4
86 Ala Gly Gly Pro Gly Val Gly Arg Ala Ala Gly Arg Gly Val Pro Ala
87 1          5          10          15
90 Gly
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 15
96 <212> TYPE: PRT
97 <213> ORGANISM: homo sapien
99 <220> FEATURE:
100 <221> NAME/KEY: MISC_FEATURE
101 <222> LOCATION: (7)..(14)
102 <223> OTHER INFORMATION: Binding site
105 <400> SEQUENCE: 5
107 Ala Gly Leu Ala Gly Pro Val Arg Gly Val Gly Gly Pro Ser Gln
108 1          5          10          15
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 12
113 <212> TYPE: PRT
114 <213> ORGANISM: homo sapien
116 <220> FEATURE:
117 <221> NAME/KEY: MISC_FEATURE
118 <222> LOCATION: (3)..(10)
119 <223> OTHER INFORMATION: Binding site
122 <400> SEQUENCE: 6
124 Gln Val Met Thr Pro Gln Gly Arg Gly Thr Val Ala
125 1          5          10
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 15
130 <212> TYPE: PRT
131 <213> ORGANISM: homo sapien
133 <220> FEATURE:
134 <221> NAME/KEY: MISC_FEATURE
135 <222> LOCATION: (8)..(15)
136 <223> OTHER INFORMATION: Binding site
139 <400> SEQUENCE: 7
141 Pro Thr Gln Tyr Pro Pro Gly Arg Gly Thr Pro Pro Pro Pro Val
142 1          5          10          15
145 <210> SEQ ID NO: 8
146 <211> LENGTH: 15
147 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:44

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

```

148 <213> ORGANISM: homo sapien
150 <220> FEATURE:
151 <221> NAME/KEY: MISC_FEATURE
152 <222> LOCATION: (2)..(9)
153 <223> OTHER INFORMATION: Binding site
156 <400> SEQUENCE: 8
158 Thr Pro Pro Pro Val Gly Arg Ala Thr Pro Pro Pro Gly Ile
159 1          5          10          15
162 <210> SEQ ID NO: 9
163 <211> LENGTH: 8
164 <212> TYPE: PRT
165 <213> ORGANISM: homo sapien
167 <220> FEATURE:
168 <221> NAME/KEY: MISC_FEATURE
169 <222> LOCATION: (1)..(8)
170 <223> OTHER INFORMATION: Binding site
173 <400> SEQUENCE: 9
175 Pro Pro Pro Gly Ile Met Ala Pro
176 1          5
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 11
181 <212> TYPE: PRT
182 <213> ORGANISM: homo sapien
184 <220> FEATURE:
185 <221> NAME/KEY: MISC_FEATURE
186 <222> LOCATION: (3)..(10)
187 <223> OTHER INFORMATION: Binding site
190 <400> SEQUENCE: 10
192 Met Ala Pro Pro Pro Gly Met Arg Pro Pro Met
193 1          5          10
196 <210> SEQ ID NO: 11
197 <211> LENGTH: 16
198 <212> TYPE: PRT
199 <213> ORGANISM: homo sapien
201 <220> FEATURE:
202 <221> NAME/KEY: MISC_FEATURE
203 <222> LOCATION: (5)..(12)
204 <223> OTHER INFORMATION: Binding site
207 <400> SEQUENCE: 11
209 Pro Ile Gly Leu Pro Pro Ala Arg Gly Thr Pro Ile Gly Met Pro Pro
210 1          5          10          15
213 <210> SEQ ID NO: 12
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: homo sapien
218 <220> FEATURE:
219 <221> NAME/KEY: MISC_FEATURE
220 <222> LOCATION: (1)..(8)
221 <223> OTHER INFORMATION: Binding site

```

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:44

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

224 <400> SEQUENCE: 12
 226 Pro Ile Gly Met Pro Pro Pro Gly
 227 1 5
 230 <210> SEQ ID NO: 13
 231 <211> LENGTH: 11
 232 <212> TYPE: PRT
 233 <213> ORGANISM: homo sapien
 235 <220> FEATURE:
 236 <221> NAME/KEY: MISC_FEATURE
 237 <222> LOCATION: (1)..(8)
 238 <223> OTHER INFORMATION: Binding site
 241 <400> SEQUENCE: 13
 243 Arg Pro Pro Pro Pro Gly Ile Arg Gly Pro Pro
 244 1 5 10
 247 <210> SEQ ID NO: 14
 248 <211> LENGTH: 12
 249 <212> TYPE: PRT
 250 <213> ORGANISM: homo sapien
 252 <220> FEATURE:
 253 <221> NAME/KEY: MISC_FEATURE
 254 <222> LOCATION: (3)..(10)
 255 <223> OTHER INFORMATION: Binding site
 258 <220> FEATURE:
 259 <221> NAME/KEY: VARIANT
 260 <222> LOCATION: (9)..(9)
 261 <223> OTHER INFORMATION: Arginine at position 9 can be substituted with F, G, H, I,
 K, S,
 262 T, V and Y.
 265 <400> SEQUENCE: 14
 267 Arg Gly Pro Pro Pro Pro Gly Met Arg Pro Pro Arg
 268 1 5 10
 271 <210> SEQ ID NO: 15
 272 <211> LENGTH: 9
 273 <212> TYPE: PRT
 274 <213> ORGANISM: homo sapien
 276 <220> FEATURE:
 277 <221> NAME/KEY: MISC_FEATURE
 278 <222> LOCATION: (1)..(8)
 279 <223> OTHER INFORMATION: Binding site
 282 <400> SEQUENCE: 15
 284 Thr Phe Lys Ala Phe Asp Lys His Met
 285 1 5
 288 <210> SEQ ID NO: 16
 289 <211> LENGTH: 8
 290 <212> TYPE: PRT
 291 <213> ORGANISM: homo sapien
 293 <220> FEATURE:
 294 <221> NAME/KEY: MISC_FEATURE
 295 <222> LOCATION: (1)..(8)
 296 <223> OTHER INFORMATION: Binding site

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:44

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

```

299 <400> SEQUENCE: 16
301 Glu Gly Pro Pro Pro Lys Asp Thr
302 1 5
305 <210> SEQ ID NO: 17
306 <211> LENGTH: 8
307 <212> TYPE: PRT
308 <213> ORGANISM: homo sapien
310 <220> FEATURE:
311 <221> NAME/KEY: MISC_FEATURE
312 <222> LOCATION: (1)..(8)
313 <223> OTHER INFORMATION: Binding site
316 <400> SEQUENCE: 17
318 Lys Asp Thr Gly Ile Ala Arg Val
319 1 5
322 <210> SEQ ID NO: 18
323 <211> LENGTH: 10
324 <212> TYPE: PRT
325 <213> ORGANISM: homo sapien
327 <220> FEATURE:
328 <221> NAME/KEY: MISC_FEATURE
329 <222> LOCATION: (3)..(10)
330 <223> OTHER INFORMATION: Binding site
333 <400> SEQUENCE: 18
335 Ile Pro Gln Ala Pro Ala Gly Leu Ala Gly
336 1 5 10
339 <210> SEQ ID NO: 19
340 <211> LENGTH: 18
341 <212> TYPE: PRT
342 <213> ORGANISM: homo sapien
344 <220> FEATURE:
345 <221> NAME/KEY: MISC_FEATURE
346 <222> LOCATION: (4)..(16)
347 <223> OTHER INFORMATION: Binding site
350 <400> SEQUENCE: 19
352 Gln Val Leu Asn Ile Gln Met Arg Arg Thr Leu His Lys Ala Phe Lys
353 1 5 10 15
356 Gly Ser
360 <210> SEQ ID NO: 20
361 <211> LENGTH: 21
362 <212> TYPE: PRT
363 <213> ORGANISM: homo sapien
365 <220> FEATURE:
366 <221> NAME/KEY: MISC_FEATURE
367 <222> LOCATION: (8)..(15)
368 <223> OTHER INFORMATION: Binding site
371 <400> SEQUENCE: 20
373 Ile Cys His Gln Ile Glu Tyr Tyr Phe Gly Asp Phe Asn Leu Pro Arg
374 1 5 10 15
377 Asp Lys Phe Leu Lys

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/07/867,819B

DATE: 06/03/2002
TIME: 13:22:45

Input Set : A:\OMRF 114 CIP2.ST25.txt
Output Set: N:\CRF3\06032002\G867819B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:119; Xaa Pos. 5

VERIFICATION SUMMARY

DATE: 06/03/2002

PATENT APPLICATION: US/07/867,819B

TIME: 13:22:45

Input Set : A:\OMRF 114 CIP2.ST25.txt

Output Set: N:\CRF3\06032002\G867819B.raw

L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0